

Power Modules,

Diode/Diode, Fast

Part number (6) (7) (8)			V _{RRM} (V)	I _{F(AV)} T _C		I _{FSM} (1)		V _{FM} (2) (V)	t _{rr} (5) (ns)	R _{thJC} DC (3) (°C/W)	Case Outline Number	Notes	Case style																											
				(A)	(°C)	50Hz	60Hz																																	
						(A)	(A)																																	
IRKDL132-04S10 IRKDL132-06S10 IRKDL132-08S10 IRKDL132-10S10	IRKCL132-04S10 IRKCL132-06S10 IRKCL132-08S10 IRKCL132-10S10	IRKJL132-04S10 IRKJL132-06S10 IRKJL132-08S10 IRKJL132-10S10	400 600 800 1000	130	95	2000	2090	1.55	1000	0.27	M5	(4)																												
IRKDL132-06S20 IRKDL132-08S20 IRKDL132-10S20 IRKDL132-12S20 IRKDL132-14S20	IRKCL132-06S20 IRKCL132-08S20 IRKCL132-10S20 IRKCL132-12S20 IRKCL132-14S20	IRKJL132-06S20 IRKJL132-08S20 IRKJL132-10S20 IRKJL132-12S20 IRKJL132-14S20	600 800 1000 1200 1400											130	95	2000	2090	1.55	2000	0.27	M5	(4)																		
IRKDL240-02S10 IRKDL240-04S10 IRKDL240-06S10 IRKDL240-08S10 IRKDL240-10S10	IRKCL240-02S10 IRKCL240-04S10 IRKCL240-06S10 IRKCL240-08S10 IRKCL240-10S10	IRKJL240-02S10 IRKJL240-04S10 IRKJL240-06S10 IRKJL240-08S10 IRKJL240-10S10	200 400 600 800 1000																				240	100	7500	7850	1.50	1000	0.144	M6	(4)									
IRKDL240-06S20 IRKDL240-08S20 IRKDL240-10S20 IRKDL240-12S20 IRKDL240-14S20	IRKCL240-06S20 IRKCL240-08S20 IRKCL240-10S20 IRKCL240-12S20 IRKCL240-14S20	IRKJL240-06S20 IRKJL240-08S20 IRKJL240-10S20 IRKJL240-12S20 IRKJL240-14S20	600 800 1000 1200 1400																													240	100	7500	7850	1.50	2000	0.144	M6	(4)

(1) 100% V_{RRM} reapplied. $T_J = T_J \text{ Max} = 150^\circ\text{C}$ (2) $I_{FM} = \pi \times I_{F(AV)}$. $T_J = 25^\circ\text{C}$.(3) Value given for R_{thJC} is per junction.

(4) RMS Isolation Voltage : 3500V - 50Hz.

(5) t_{rr} test conditions: $I_{FM} = \pi \times I_{F(AV)}$ and di/dt 25A/ μs .

(6) Doubler circuit.

(7) Center tap, Circuit common cathode.

(8) Center tap, Circuit common anode.